

# ABSTRACT OF THE DISCLOSURE

The inner-rotor motor of the invention includes a rotor having plural magnetic poles disposed circumferentially, and a stator having a stator core with plural magnetic pole teeth facing to the rotor, located outside a circumference of the rotor, which have coils each wound around thereof. In this construction, the stator is placed within a central angle  $180^\circ$  with regard to a rotational center of the rotor, and the coils are set such that the numbers of turns of adjacent coils are unequal, and respective sums of the numbers of turns of the coils in respective phases are equal.